

# COMBS PM<sub>10</sub> 2016 TEOM Data

## 24 Hour Averages (ug/m<sup>3</sup>)

	Approved Data					Preliminary Data						
	January	February	March	April	May	June	July	August	September	October	November	December
1	26.7	35.6	71.7	43.7	21.7	48.1	10.5	32.7	27.4	13.6	58.9	18.8
2	13.5	13.3	58.6	32.3	34.2	60.1	19.8	22.7	28.4	19.6	61.4	26.9
3	9.3	15.7	68.8	23.4	35.9	61.8	27.4	33.7	30.1	24.5	34.4	20.8
4	12.0	17.2	72.0	47.9	56.8	57.1	36.1	31.0	30.4	44.1	15.8	17.4
5	4.8	16.9	52.0	57.4	69.0	51.1	35.0	29.8	32.2	47.4	16.2	31.1
6	7.5	16.2	44.7	53.1	34.9	63.0	41.7	21.6	56.3	48.7	13.8	40.1
7	4.9	17.0	102.0	112.3	11.9	57.3	41.2	26.8	21.0	44.3	25.0	39.9
8	7.1	32.9	28.7	10.8	13.2	69.5	35.8	52.2	16.5	33.2	31.6	37.8
9	8.5	27.1	42.7	10.6	22.0	57.3	33.1	196.8	33.7	22.7	20.8	43.1
10	10.5	36.7	35.5	13.4	29.4	54.8	29.3	33.4	33.6	31.6	25.0	33.8
11	14.5	38.4	48.7	11.5	36.7	34.4	40.8	13.5	28.2	47.3	15.3	26.8
12	16.3	42.0	57.0	19.7	39.1	26.9	42.1	33.0	40.4	47.5	18.3	39.6
13	20.0	31.9	32.5	18.6	41.0	42.3	61.4	27.3	36.2	47.0	22.4	56.1
14	21.4	32.9	46.3	24.1	28.2	41.0	54.6	28.8	33.0	49.7	49.1	49.3
15	23.0	37.1	56.8	79.4	25.1	62.2	56.9	37.6	48.2	43.4	49.8	47.8
16	16.8	40.5	62.5	18.1	32.7	57.2	84.7	54.6	51.1	39.2	68.4	29.6
17	16.6	53.8	56.7	12.1	42.3	50.6	37.0	41.7	35.8	43.4	70.1	73.1
18	21.0	62.3	58.8	20.6	32.5	40.6	73.6	27.1	34.0	73.7	54.1	27.6
19	34.2	59.1	40.3	35.4	27.5	40.9	59.7	38.7	53.1	58.4	39.2	22.1
20	34.9	35.4	33.4	41.1	55.9	74.9	20.2	37.3	49.0	74.8	37.1	37.6
21	29.1	30.5	57.2	45.8	40.9	66.7	37.1	46.5	50.8	71.0	28.2	21.9
22	36.6	59.4	236.9	51.7	32.7	58.3	44.6	35.5	41.1	56.6	18.9	7.9
23	31.6	37.5	45.0	39.1	48.5	73.3	84.3	32.5	63.6	42.2	28.3	10.6
24	21.6	42.8	53.8	31.4	41.6	52.6	56.9	80.9	51.3	62.3	17.9	29.9
25	29.5	47.6	32.6	103.1	48.0	46.7	46.6	64.2	28.0	59.3	21.4	7.5
26	30.5	46.7	30.4	104.3	47.6	45.7	79.5	30.8	52.4	52.8	31.1	11.0
27	35.0	37.1	29.3	42.3	47.9	111.1	69.2	24.0	46.2	60.7	70.8	17.1
28	38.3	34.6	89.0	58.9	33.4	41.9	32.1	21.4	36.8	70.0	24.6	23.5
29	42.9	56.1	51.0	46.8	31.5	48.5	111.3	30.1	17.1	36.6	18.3	16.6
30	26.5		39.3	73.0	35.0	16.9	20.1	65.0	19.3	38.2	16.8	13.6
31	122.9		43.0		44.2		27.3	59.5		49.1		10.1
<b>1st quarter average</b>	39.4		<b>2nd quarter average</b>	44.4			<b>3rd quarter average</b>	42.2		<b>4th quarter average</b>	36.4	
<b># of valid samples</b>	90		<b># of valid samples</b>	91			<b># of valid samples</b>	92		<b># of valid samples</b>	92	
<b>% of samples collected</b>	100.00%		<b>% of samples collected</b>	100.00%			<b>% of samples collected</b>	100.00%		<b>% of samples collected</b>	100.00%	
<b># of 24 hr exceedances</b>	1		<b># of 24 hr exceedances</b>	0			<b># of 24 hr exceedances</b>	1		<b># of 24 hr exceedances</b>	0	

# COMBS PM<sub>10</sub> 2016 TEOM Data Reference Page

## Corresponding Color Codings

## AQS Codings

24 hour exceedances	any sample > 154.9 ug/m <sup>3</sup>
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PCAQCD Exceptional Event	HIGH WIND EVENTS	### <sup>A</sup>
	HIGH WIND EVENTS - EPA CONCURRED.	

Noise exceedences	when the noise on the monitor invalidates the data & data recovery is <75%	AN
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Status out of range	flow out of range for more than 1 hour	AH
	machine malfunction	AN
	shelter temperature out of range	AE

General maintenance	monitor is down for general maintenance activities or	BA
	filter exchanges for more than 1 hour	BA
	Building/Site repair	BE

Negative data readings	data readings > - 10.4 ug/m <sup>3</sup> or	AN
	Operator Error for more than 6 hours	BJ

Power failures/Vandalism	power outage for more than 6 hours	AV
	Vandalism	AP

CAL / VER / AUDIT	monitor is down to perform monthly verification or	AT
	annual system calibrations or	AT
	QC Audit (ADEQ) for more than 1 hour	AZ

Annual Average (ug/m <sup>3</sup> ) minus high wind events	40.6
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Total # of 24 hr Exceedances	2
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Maximum Reading	236.90
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